



Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Ph. (07) 3285 6536

Email. brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

Job No. 202406

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

Attn Ryan Tessmer

RE: AIRE – STAGE 1, Craig Road, Upper Caboolture QLD 4510

(Bulk Earthworks – Geotechnical Inspection & Testing)

SCOPE

Brisbane Soil Testing were commissioned by BMD Urban Pty Ltd to provide geotechnical inspection and testing of the bulk earthworks fill on the above stage subdivision.

Some filling was required as part of the development and for this work, our site presence was maintained in accordance with AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Developments" Appendix B, "Level 1". As directed the scope of the Level 1 inspection and testing was:

- (i) check adequacy of pre-fill ground preparation
- (ii) remove unsuitable materials
- (iii) inspect and carry out compaction control testing of placed fill materials
- (iv) provide R.P.E.Q. Certification

CONTROL INSPECTION AND TESTING

An inspection of the areas to be filled was carried out on the 29th of April 2024 and on an ongoing basis as the job progressed, by Brisbane Soil Testing staff.

On-site materials were used for filling and these materials were generally placed in 0.20m loose horizontal layers and compacted with an 815 compactor.

Sixty-eight (68) field density tests were carried between the 30th of April 2024 and the 6th of November 2024. These tests recorded Dry Density Ratios between 95.0% and 104.0% relative to the standard compaction test and field moisture contents within – 3.0% and +2.5% of their respective optimum moisture contents, AS1289.5.1.1.

Attached documents B37/13 & B194/4 (Report Nos. 49750, 49828, 49845, 49847, 49848, 49853, 49881, 49883, 49884, 49988, 49999, 50010, 50218, 50245, 50359, 50494 & 50562) provide full test data for the compaction control tests.

The locations of all tests taken are shown on the attached drawing numbers 102 & 103 Revision 0, titled “Aire Stage 1 Bulk Earthworks Test Locations”.

No fill was placed on lots 101-103, 137-139, 152, 162 & 167 during our Level 1 inspection and testing commission.

CONCLUSION

Based on the test results and site inspections, we conclude that the fill foundation is considered to comply with requirements of Table 5.1- Item 1 & 3 of AS3798-2007 and the project specifications.

We confirm that all vegetation and topsoil was removed, and that a sound base for the proposed filling was provided. We further confirm that all filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.



GREG McGRANN
BRISBANE SOIL TESTING
MANAGING DIRECTOR



SAM JEYAN
BRISBANE SOIL TESTING
GEOTECHNICAL ENGINEER
RPEQ - 13339

Attachments:

Level 1 Test Locations

Individual Allotment Certificates

Field Density Test Reports

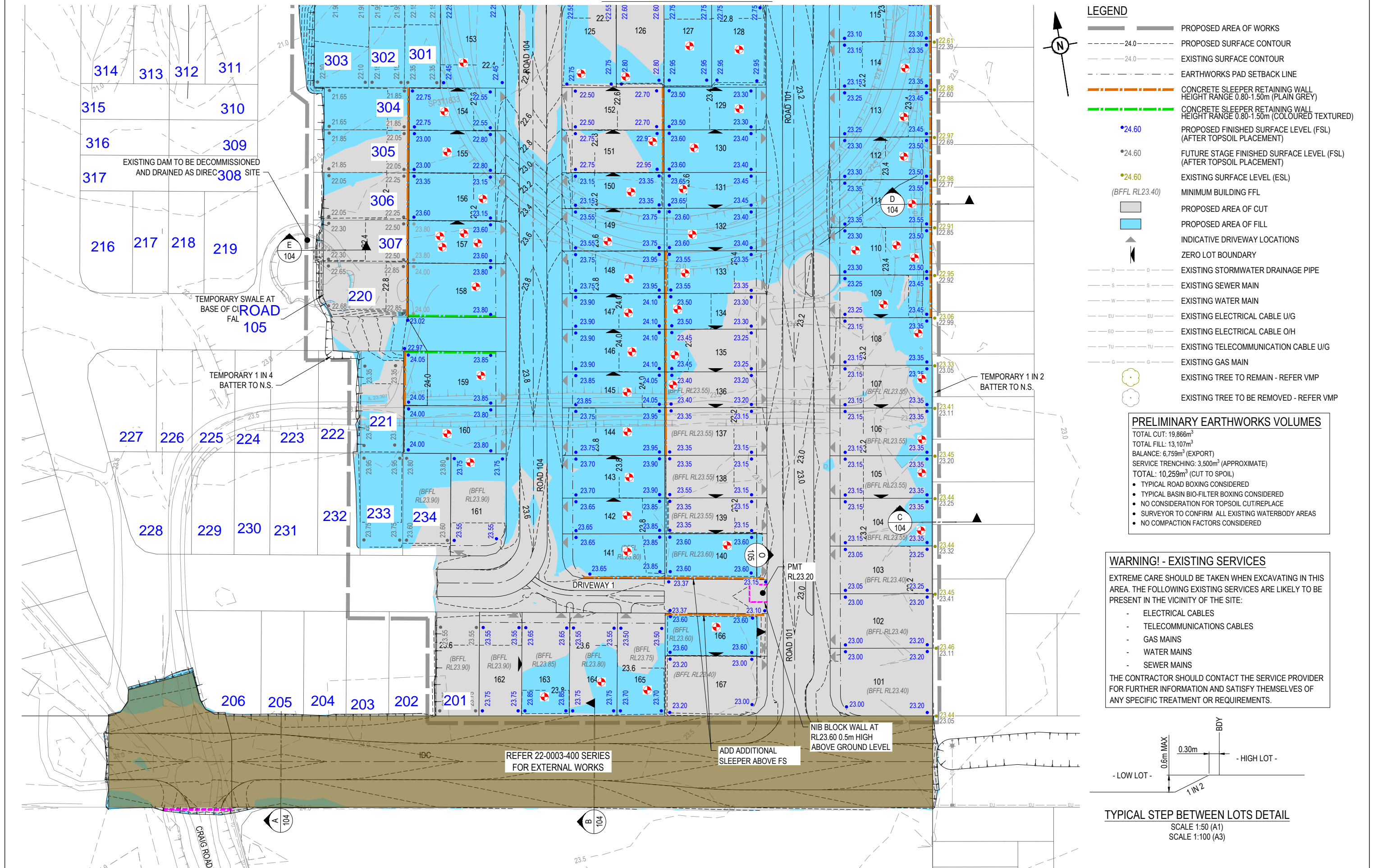




Brisbane Soil Testing

20/1191 Anzac Ave
Kallangur, Q. 4503

AIRE STAGE 1 BULK EARTHWORKS TEST LOCATIONS

REFER SHEET 2 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS		SCALE		CUSTOMER	PROJECT NAME		DRAWING TITLE			
0	02.02.24	KH	DH	REVISED ISSUE		RD	ISSUED FOR CONSTRUCTION				ORCHARD (CRAIG RD) DEVELOPMENTS PTY LTD)	PROPOSED SUBDIVISION STAGE 1		BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 2			
				<div>Received BMD Urban Pty Ltd 29/02/2024</div>		DESIGN	APPROVED				ASSOCIATED CONSULTANT	34 CRAIG ROAD, UPPER CABOOLTURE LOT 1 ON SP 311833		PROJECT No.	DRAWING No.	REVISION	
						KH	TAIT MCCARTHY RPEQ 28026 <i>Tait McCarthy</i>				LAND PARTNERS PHONE: (07) 3842 1000	22-0003		102	0		
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD											

[illegible]

TING EMBANKMENT TOP
 ING LOW-FLOW PIPES TO BE
 REMOVED AND EMBANKMENT
 LOWERED TO MAINTAIN
 FREE-DRAINING OF POND

OPG TO OBTAIN APPROVAL FOR
 WORKS ON NEIGHBOURING LOT IN
 ACCORDANCE WITH APPROVED
 ACCESS AGREEMENT

EXISTING DAM TO BE DECOMMISSIONED,
 DRAINED AND EXCESS EARTHWORKS
 MATERIAL TO BE PLACED, AS DIRECTED
 ON SITE BY SUPERINTENDENT

2001

N 105
 M 105
 K 105
 L 105

EXISTING DAM TO BE DECOMMISSIONED,
DRAINED AND EXCESS EARTHWORKS
MATERIAL TO BE PLACED, AS DIRECTED
ON SITE BY SUPERINTENDENT

[illegible]

Colliers

CLIENT

**ORCHARD (CRAIG RD)
DEVELOPMENTS PTY LTD)**

ASSOCIATED CONSULTANT

LAND PARTNERS
PHONE: (07) 3842 1000

DRAWING TITLE		
<p align="center">BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 2</p>		
PROJECT No.	DRAWING No.	REVISION
22-0003	103	0

Received
BMD Urban Pty Ltd
29/02/2024



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Connemar Pty. Ltd.

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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 104

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 104 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 104 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 105

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 105 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 105 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 106

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 106 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 106 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 107

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 107 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 107 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 108

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 108 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 108 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 109

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Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 109 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 109 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 110

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Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 110 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 110 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 111

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 111 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 111 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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LOCATION: AIRE – STAGE 1

LOT NO. 112

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Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 112 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 112 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 113

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 113 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 113 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 114

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Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 114 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 114 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 115

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 115 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 115 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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LOCATION: AIRE – STAGE 1

LOT NO. 116

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Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 116 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 116 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 117

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 117 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 117 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 118

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 118 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 118 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 119

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 119 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 119 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



Brisbane Soil Testing

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 120

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 120 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 120 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 121

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 121 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 121 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 122

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 122 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 122 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 123

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 123 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 123 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 124

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 124 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 124 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 125

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 125 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 125 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 126

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 126 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 126 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 127

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 127 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 127 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 128

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 128 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 128 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 129

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 129 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 129 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING

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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE**LOCATION: AIRE – STAGE 1****LOT NO. 130**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 130 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 130 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director**BRISBANE SOIL TESTING**



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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 131

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 131 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 131 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 132

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 132 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 132 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 133

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 133 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 133 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 134

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 134 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 134 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 135

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 135 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 135 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 136

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 136 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 136 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 140

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 140 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 140 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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Connemar Pty. Ltd.

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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 141

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 141 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 141 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



Brisbane Soil Testing

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Phone: (07) 3285 6536

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 142

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 142 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 142 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 143

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 143 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 143 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 144

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 144 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 144 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 145

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 145 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 145 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 146

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 146 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 146 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 147

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 147 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 147 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 148

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 148 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 148 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 149

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 149 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 149 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 150

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 150 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 150 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 151

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 151 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 151 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 153

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 153 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 153 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 154

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 154 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 154 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 155

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 155 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 155 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 156

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 156 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 156 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 157

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 157 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 157 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 158

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 158 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 158 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 159

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 159 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 159 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 160

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 160 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 160 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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15th of November 2024

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PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 161

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 161 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 161 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 163

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 163 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 163 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 164

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 164 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 164 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 165

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 165 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 165 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

15th of November 2024

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: AIRE – STAGE 1

LOT NO. 166

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 “Guidelines on earthworks for commercial and residential developments”. Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 15th of November 2024.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 166 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 166 (excluding topsoil placed subsequent to completion of controlled filling) can be termed “Controlled Fill” in accordance with AS2870-2011 “Residential Slabs and Footings” (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

BRISBANE SOIL TESTING



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49750
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	30/04/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm		Field Moisture Context %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
30928	12:05	150	LOT 120 LOC ON ATT PLAN R.L. 22.62	30928	-	-	25.0	Adj. 20.0	5.0 WET	125.0	1.55	Adj. 1.67	93.0
Material Description: GREY BROWN CLAY													
30929	12:30	150	LOT 122 LOC ON ATT PLAN R.L. 22.17	30929	-	-	30.0	Adj. 25.5	4.5 WET	117.5	1.45	Adj. 1.59	91.0
Material Description: REDDISH BROWN CLAY													
								Adj.				Adj.	
Material Description:													
								Adj.				Adj.	
Material Description:													
								Adj.				Adj.	
Material Description:													
								Adj.				Adj.	
Material Description:													

Remarks:

Required Dry Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.4.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 02/05/2024



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 02/05/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49828
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	24/05/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31083 RETEST	13:00	150	LOT 120 LOC ON ATT PLAN R.L. 22.60	31083	-	21.5	20.5	Adj. 1.0 WET	1.94	Adj. 2.03	95.5
Material Description: REDDISH BROWN & GREY SILTY CLAY											
31084	13:30	150	LOT 128 LOC ON ATT PLAN R.L. 22.82	31084	-	23.0	22.0	Adj. 1.0 WET	2.01	Adj. 1.98	101.5
Material Description: YELLOW BROWN SILTY CLAY											
31085	14:00	150	LOT 129 LOC ON ATT PLAN R.L. 22.87	31085	-	23.5	22.5	Adj. 1.0 WET	1.98	Adj. 2.00	99.0
Material Description: LIGHT GREY BROWN SILTY CLAY											
31086 RETEST	14:30	150	LOT 122 LOC ON ATT PLAN R.L. 22.14	31086	-	25.5	25.0	Adj. 0.5 WET	1.96	Adj. 1.98	99.0
Material Description: REDDISH BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks: Sample Number 31083 is a Retest of Sample Number 30928.

Sample Number 31086 is a Retest of Sample Number 30929.

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 28/05/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 28/05/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49845
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	27/05/2024	Tested by	JM GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31091	8:10	150	LOT 116 LOC ON ATT PLAN R.L. 22.49	31091	-	29.5	28.0	Adj. 1.5 WET	1.94	Adj. 1.96	99.0
Material Description: GREY BROWN CLAY											
31093	9:55	150	LOT 117 LOC ON ATT PLAN R.L. 22.56	31093	-	28.5	26.5	Adj. 2.0 WET	1.97	Adj. 1.96	100.5
Material Description: GREY BROWN CLAY											
31094	10:40	150	LOT 116 LOC ON ATT PLAN R.L. 22.91	31094	-	28.0	25.5	Adj. 2.5 WET	1.92	Adj. 1.98	97.0
Material Description: GREY BROWN CLAY											
31095	10:55	150	LOT 127 LOC ON ATT PLAN R.L. 22.89	31095	-	26.0	25.0	Adj. 1.0 WET	1.95	Adj. 1.99	98.0
Material Description: YELLOW BROWN SILTY CLAY											
31096	11:30	150	LOT 118 LOC ON ATT PLAN R.L. 22.71	31096	-	28.0	26.5	Adj. 1.5 WET	1.95	Adj. 1.96	99.5
Material Description: YELLOW BROWN & GREY SILTY CLAY											
31097	12:10	150	LOT 119 LOC ON ATT PLAN R.L. 22.69	31097	-	29.5	27.0	Adj. 2.5 WET	1.93	Adj. 1.97	98.0
Material Description: YELLOW BROWN & GREY SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 03/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 03/06/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49847
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	27/05/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31098	13:30	150	LOT 120 LOC ON ATT PLAN R.L. 22.64	31098	-	27.5	27.0	Adj. 0.5 WET	1.99	Adj. 1.99	100.0
Material Description: YELLOW BROWN & GREY CLAY											
31099	14:40	150	LOT 121 LOC ON ATT PLAN R.L. 22.52	31099	-	30.0	27.5	Adj. 2.5 WET	2.00	Adj. 1.95	102.5
Material Description: YELLOW BROWN & GREY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 04/06/2024



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 04/06/2024



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FIELD DENSITY CERTIFICATE

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ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49848
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	28/05/2024	Tested by	JM LM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31109	8:20	150	LOT 122 LOC ON ATT PLAN R.L. 22.47	31109	-	25.0	24.0	Adj. 1.0 WET	2.06	Adj. 2.03	101.5
Material Description: REDDISH GREY SILTY CLAY											
31110	8:30	150	LOT 123 LOC ON ATT PLAN R.L. 22.40	31110	-	28.0	27.5	Adj. 0.5 WET	2.01	Adj. 1.93	104.0
Material Description: GREY BROWN & YELLOW CLAY											
31111	9:15	150	LOT 124 LOC ON ATT PLAN R.L. 22.42	31111	-	27.0	27.0	Adj. -	2.06	Adj. 1.99	103.5
Material Description: GREY BROWN & YELLOW CLAY											
31113	10:40	150	LOT 157 LOC ON ATT PLAN R.L. 21.98	31113	-	27.0	25.5	Adj. 1.5 WET	2.00	Adj. 1.98	101.0
Material Description: LIGHT BROWN & YELLOW CLAY											
31114	11:55	150	LOT 157 LOC ON ATT PLAN R.L. 22.67	31114	-	24.0	24.0	Adj. -	2.03	Adj. 2.05	99.0
Material Description: YELLOW BROWN SILTY CLAY											
31115	15:20	150	LOT 157 LOC ON ATT PLAN R.L. 23.03	31115	-	28.5	27.5	Adj. 1.0 WET	1.96	Adj. 1.95	100.5
Material Description: GREY BROWN & YELLOW SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 04/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 04/06/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49853
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	30/05/2024	Tested by	JM LM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31173	7:10	150	LOT 110 LOC ON ATT PLAN R.L. 21.57	31173	-	24.5	23.0	Adj. 1.5 WET	1.98	Adj. 2.01	98.5
Material Description: REDDISH BROWN SILTY CLAY											
31174	9:15	150	LOT 154 LOC ON ATT PLAN R.L. 22.53	31174	-	25.0	24.0	Adj. 1.0 WET	1.96	Adj. 2.04	96.0
Material Description: LIGHT GREY BROWN SILTY CLAY											
31175	9:55	150	LOT 156 LOC ON ATT PLAN R.L. 23.10	31175	-	28.0	27.0	Adj. 1.0 WET	1.99	Adj. 1.98	100.5
Material Description: GREY BROWN CLAY											
31176	10:10	150	LOT 155 LOC ON ATT PLAN R.L. 22.84	31176	-	26.5	26.0	Adj. 0.5 WET	2.00	Adj. 1.98	101.0
Material Description: GREY BROWN CLAY											
31177	12:40	150	LOT 157 LOC ON ATT PLAN R.L. 23.59	31177	-	25.5	24.5	Adj. 1.0 WET	1.99	Adj. 2.03	98.0
Material Description: REDDISH BROWN SILTY CLAY											
31178	12:45	150	LOT 158 LOC ON ATT PLAN R.L. 23.66	31178	-	26.0	26.0	Adj. -	1.94	Adj. 1.99	97.5
Material Description: REDDISH GREY SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 04/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 04/06/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49881
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	31/05/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31195	7:45	150	LOT 145 LOC ON ATT PLAN R.L. 23.80	31195	-	23.0	22.5	Adj. 0.5 WET	2.08	Adj. 2.03	102.5
				Material Description: REDDISH GREY & BROWN SILTY CLAY							
31196	11:10	150	LOT 142 LOC ON ATT PLAN R.L. 23.63	31196	-	24.0	25.0	Adj. 1.0 DRY	1.99	Adj. 2.00	99.5
				Material Description: REDDISH GREY & BROWN SILTY CLAY							
31197	12:30	150	LOT 141 LOC ON ATT PLAN R.L. 23.66	31197	-	23.5	22.5	Adj. 1.0 WET	2.04	Adj. 2.01	101.5
				Material Description: REDDISH GREY & BROWN SILTY CLAY							
								Adj.		Adj.	
				Material Description:							
								Adj.		Adj.	
				Material Description:							
								Adj.		Adj.	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 11/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 11/06/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49883
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	31/05/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31205	7:10	150	LOT 110 LOC ON ATT PLAN R.L. 21.87	31205	-	24.5	24.0	Adj. 0.5 WET	1.96	Adj. 1.98	99.0
Material Description: ORANGE BROWN SILTY CLAY											
31206	10:45	150	LOT 109 LOC ON ATT PLAN R.L. 22.62	31206	-	18.5	19.0	Adj. 0.5 DRY	2.06	Adj. 2.04	101.0
Material Description: LIGHT REDDISH BROWN SILTY SANDY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 11/06/2024



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 11/06/2024



Brisbane Soil Testing

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49884
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	04/06/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31229	10:15	150	LOT 143 LOC ON ATT PLAN R.L. 23.79	31229	-	25.0	25.0	Adj. -	1.96	Adj. 1.98	99.0
Material Description: REDDISH GREY SILTY CLAY											
31230	11:00	150	LOT 144 LOC ON ATT PLAN R.L. 23.80	31230	-	24.0	23.5	Adj. 0.5 WET	2.00	Adj. 2.03	98.5
Material Description: REDDISH BROWN & GREY SILTY CLAY											
31231	12:30	150	LOT 146 LOC ON ATT PLAN R.L. 23.92	31231	-	24.5	23.5	Adj. 1.0 WET	2.01	Adj. 2.01	100.0
Material Description: REDDISH BROWN & GREY SILTY CLAY											
31232	14:05	150	LOT 147 LOC ON ATT PLAN R.L. 23.90	31232	-	23.0	22.5	Adj. 0.5 WET	2.02	Adj. 2.04	99.0
Material Description: REDDISH BROWN & GREY SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 17/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 17/06/2024



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FIELD DENSITY CERTIFICATE

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ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49988
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	21/06/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31481	7:45	150	LOT 115 LOC ON ATT PLAN R.L. 23.09	31481	-	23.5	23.0	Adj. 0.5 WET	1.94	Adj. 2.00	97.0
Material Description: REDDISH BROWN CLAY											
31482	9:10	150	LOT 114 LOC ON ATT PLAN R.L. 23.14	31482	-	22.5	25.0	Adj. 2.5 DRY	1.90	Adj. 1.97	96.5
Material Description: REDDISH BROWN CLAY											
31483	9:40	150	LOT 113 LOC ON ATT PLAN R.L. 23.26	31483	-	23.5	23.0	Adj. 0.5 WET	1.95	Adj. 2.03	96.0
Material Description: REDDISH BROWN CLAY											
31484	12:15	150	LOT 112 LOC ON ATT PLAN R.L. 23.36	31484	-	23.5	24.5	Adj. 1.0 DRY	1.95	Adj. 1.98	98.5
Material Description: REDDISH BROWN CLAY											
31485	12:40	150	LOT 111 LOC ON ATT PLAN R.L. 23.37	31485	-	21.0	24.0	Adj. 3.0 DRY	1.89	Adj. 1.99	95.0
Material Description: REDDISH BROWN CLAY											
31486	13:15	150	LOT 110 LOC ON ATT PLAN R.L. 23.32	31486	-	20.0	22.0	Adj. 2.0 DRY	1.95	Adj. 2.04	95.5
Material Description: REDDISH BROWN CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 26/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 26/06/2024



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FIELD DENSITY CERTIFICATE

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ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49999
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	26/06/2024	Tested by	JM LM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31542	8:00	150	LOT 125 LOC ON ATT PLAN R.L. 22.65	31542	-	23.5	23.0	Adj. 0.5 WET	2.02	Adj. 2.05	98.5
Material Description: REDDISH BROWN & GREY SILTY CLAY											
31543	8:45	150	LOT 126 LOC ON ATT PLAN R.L. 22.67	31543	-	25.0	24.5	Adj. 0.5 WET	2.01	Adj. 1.98	101.5
Material Description: GREY BROWN SILTY CLAY											
31544	9:35	150	LOT 153 LOC ON ATT PLAN R.L. 22.30	31544	-	25.0	24.0	Adj. 1.0 WET	1.93	Adj. 1.99	97.0
Material Description: GREY BROWN SILTY CLAY											
31545	10:00	150	LOT 132 LOC ON ATT PLAN R.L. 23.41	31545	-	26.0	24.0	Adj. 2.0 WET	2.00	Adj. 2.02	99.0
Material Description: LIGHT BROWN SILTY CLAY											
31546	11:20	150	LOT 133 LOC ON ATT PLAN R.L. 23.27	31546	-	26.5	25.0	Adj. 1.5 WET	2.00	Adj. 1.99	100.5
Material Description: YELLOW BROWN SILTY CLAY											
31547	11:30	150	LOT 131 LOC ON ATT PLAN R.L. 23.30	31547	-	25.5	25.0	Adj. 0.5 WET	1.95	Adj. 2.00	97.5
Material Description: GREY BROWN & YELLOW SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 02/07/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 02/07/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50010
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	28/06/2024	Tested by	JM LM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31605	9:10	150	LOT 130 LOC ON ATT PLAN R.L. 23.29	31605	-	24.5	23.0	Adj. 1.5 WET	1.97	Adj. 2.05	96.0
Material Description: LIGHT BROWN SILTY CLAY											
31606	9:30	150	LOT 149 LOC ON ATT PLAN R.L. 23.30	31606	-	26.0	24.5	Adj. 1.5 WET	2.06	Adj. 2.02	102.0
Material Description: LIGHT BROWN SILTY CLAY											
31607	10:05	150	LOT 108 LOC ON ATT PLAN R.L. 23.13	31607	-	26.0	25.0	Adj. 1.0 WET	1.99	Adj. 2.02	98.5
Material Description: LIGHT BROWN CLAY											
31608	10:15	150	LOT 134 LOC ON ATT PLAN R.L. 23.27	31608	-	27.5	26.5	Adj. 1.0 WET	1.95	Adj. 1.96	99.5
Material Description: ORANGE BROWN CLAY											
31609	10:45	150	LOT 150 LOC ON ATT PLAN R.L. 23.11	31609	-	25.0	25.0	Adj. -	1.93	Adj. 2.00	96.5
Material Description: REDDISH BROWN SILTY CLAY											
31610	10:55	150	LOT 160 LOC ON ATT PLAN R.L. 23.79	31610	-	23.0	23.5	Adj. 0.5 DRY	2.03	Adj. 2.05	99.0
Material Description: REDDISH BROWN SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 05/07/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 05/07/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50218
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	09/08/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
32143	9:50	150	LOT 135 LOC ON ATT PLAN R.L. 23.37	32143	-	26.5	25.0	Adj. 1.5 WET	1.91	Adj. 1.97	97.0
Material Description: ORANGE BROWN & GREY SILTY CLAY											
32144	10:35	150	LOT 107 LOC ON ATT PLAN R.L. 23.10	32144	-	23.0	23.0	Adj. -	2.05	Adj. 2.05	100.0
Material Description: YELLOW BROWN SILTY CLAY											
32145	11:15	150	LOT 106 LOC ON ATT PLAN R.L. 23.19	32145	-	25.5	24.5	Adj. 1.0 WET	1.99	Adj. 2.03	98.0
Material Description: YELLOW BROWN SILTY CLAY											
32146	12:40	150	LOT 105 LOC ON ATT PLAN R.L. 23.22	32146	-	26.0	24.5	Adj. 1.5 WET	1.93	Adj. 2.00	96.5
Material Description: ORANGE BROWN SILTY CLAY											
32147	13:50	150	LOT 136 LOC ON ATT PLAN R.L. 23.20	32147	-	27.0	26.0	Adj. 1.0 WET	1.93	Adj. 1.95	99.0
Material Description: YELLOW BROWN & GREY SILTY CLAY											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 13/08/2024

Checked By: G MCGRANN



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Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 13/08/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50245
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	27/08/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
32251	7:30	150	LOT 159 LOC ON ATT PLAN R.L. 23.82	32251	-	21.5	22.0	Adj. 0.5 DRY	1.99	Adj. 2.01	99.0
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 04/09/2024



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 04/09/2024



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FIELD DENSITY CERTIFICATE

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ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50359
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	17/09/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
32475	8:15	150	LOT 104 2m Rear bdy, 2m Right bdy R.L. 23.04	32475	-	23.5	22.5	Adj. 1.0 WET	2.04	Adj. 2.05	99.5
Material Description: ORANGE BROWN SILTY CLAY											
32476	9:30	150	LOT 140 6m Front bdy, 2m Right bdy R.L. 23.42	32476	-	22.0	21.5	Adj. 0.5 WET	2.08	Adj. 2.06	101.0
Material Description: ORANGE BROWN SILTY CLAY											
32477	10:20	150	LOT 148 7m Rear bdy, 3m Right bdy R.L. 23.71	32477	-	22.0	22.5	Adj. 0.5 DRY	1.99	Adj. 2.02	98.5
Material Description: ORANGE BROWN & GREY SILTY CLAY											
32478	10:55	150	LOT 151 2m Rear bdy, 2m Left bdy R.L. 22.72	32478	-	25.5	24.0	Adj. 1.5 WET	1.98	Adj. 1.98	100.0
Material Description: REDDISH GREY SILTY CLAY											
32479	13:10	150	LOT 161 1m Rear bdy, 4m Left bdy R.L. 23.50	32479	-	23.5	23.0	Adj. 0.5 WET	2.02	Adj. 2.03	99.5
Material Description: ORANGE BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 21/09/2024

Checked By: G MCGRANN



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Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 21/09/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50494
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	23/10/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
32916	11:00	150	LOT 164 9m Rear bdy, 3m Left bdy R.L. 23.40	32916	-	22.0	22.0	Adj. -	1.93	Adj. 2.01	96.0
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 01/11/2024



Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 01/11/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50562
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202406
Project	AIRE – STAGE 1	Date Tested	06/11/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33090	9:40	150	LOT 163 5m Rear bdy, 4m Left bdy R.L. 23.61	33090	-	21.0	20.5	Adj. 0.5 WET	1.99	Adj. 2.06	96.5
Material Description: LIGHT REDDISH BROWN SILTY CLAY											
33091	10:50	150	LOT 165 7m Rear bdy, 2m Left bdy R.L. 23.50	33091	-	23.5	22.5	Adj. 1.0 WET	1.95	Adj. 2.04	95.5
Material Description: REDDISH BROWN & GREY SILTY CLAY											
33092	11:30	150	LOT 166 8m Front bdy, 3m Left bdy R.L. 23.49	33092	-	23.0	22.0	Adj. 1.0 WET	1.95	Adj. 2.03	96.0
Material Description: ORANGE BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 13/11/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.
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Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 13/11/2024